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## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in this application:

## **Listing of Claims:**

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1. (currently amended)In a hydraulic system having a return line, the improvement comprising:

a back-up system to operate said hydraulic system in the event of a detected leak of fluid from said system, including:

a source of auxiliary fluid;

a pump connected to said source of auxiliary fluid and said hydraulic system return line for supplying auxiliary fluid to said hydraulic system return line: and

a switch for selectively operating said pump means; and

wherein said auxiliary fluid is one selected from the group

consisting of fuel, potable water and other compressible fluid found in large

guantities on an aircraft.

2. (currently amended) In the back-up system of claim 1, further comprising:

a one-way check valve between said pump and return line to prevent the flow of hydraulic fluid to the auxiliary fluid, thereby preventing contamination of the auxiliary fluid source under normal operating circumstances. for directing auxiliary fluid from said auxiliary fluid source towards said return line.

3-4. (cancelled)

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5. (original) In the back-up system of claim 1, further including a fluid filter between said auxiliary fluid source and said pump.

## 6. (cancelled)

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- 7. (original) In an aircraft hydraulic system having a return line, the improvement comprising:
- a back-up system to operate said hydraulic system in the event of a detected leak of fluid from said system, including:
  - a source of auxiliary fluid;
- a pump connected to said source of auxiliary fluid and said hydraulic system return line for supplying auxiliary fluid to said hydraulic system return line:
  - a switch for selectively operating said pump means; and
- a one-way check valve between said pump and return line for directing auxiliary fluid from said auxiliary fluid source towards said return line; said source of auxiliary fluid being a reservoir of aircraft fuel.
- 8. (original) In the back-up system of claim 7, further including a fluid filter between said auxiliary fluid source and said pump.
- 9. (original) In an aircraft hydraulic system having a return line, the improvement comprising:
- a back-up system to operate said hydraulic system in the event of a detected leak of fluid from said system, including:
  - a source of auxiliary fluid;
- a pump connected to said source of auxiliary fluid and said hydraulic system return line for supplying auxiliary fluid to said hydraulic system return line:
  - a switch for selectively operating said pump means; and

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a one-way check valve between said pump and return line for directing auxiliary fluid from said auxiliary source towards said return line; said source of auxiliary fluid being potable water.

- 10. (original) In the back-up system of claim 9, further comprising: a fluid filter between said auxiliary fluid source and said pump.
- 11. (currently amended)A method of operating an aircraft hydraulic system in the event of failure of said system including the steps of:

providing a source of auxiliary fluid;

pumping said source of auxiliary fluid into said hydraulic system line upon detecting a leak in said hydraulic system; and

selectively controlling the pumping of the auxiliary fluid into said hydraulic system; and

wherein said auxiliary fluid is one selected from the group consisting of fuel, potable water and other compressible fluid found in large quantities on an aircraft.

- 12. (currently amended) The method of claim 11, wherein said source of auxiliary fluid is contained in an aircraft's fuel tank. a reservoir of aircraft fluid.
  - 13. (cancelled)

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- 14. (original) The method of claim 12, further including the step of filtering said auxiliary fluid before pumping said fluid into the hydraulic system return line:
- 15. (currently amended) The method of claim 14, further including the step of providing a one way check valve to prevent the flow of hydraulic fluid into said auxiliary fluid. blocking the reverse flow of said pumped auxiliary fluid.